

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	<b>Document Number (Optional)</b> <b>89160.0010</b>	<b>Application Number</b> <b>10/045,837</b>
<b>Applicant</b> <b>GURVICH et al.</b>		
<b>Filing Date</b> <b>January 11, 2002</b>		<b>Group Art Unit</b> <b>2817</b>

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## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
						Abstract	

EXAMINER 	DATE CONSIDERED 5/6/04
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Applicant

GURVICH et al.

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DT	Bryant, et al., "Parameters of Microstrip Transmission Lines and of Coupled Pairs of Microstrip Lines", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-16, No. 12, December 1968
DT	Herzog, H.J., "Microstrip Couplers with Improved Directivity", <i>Electronics Letters</i> , Vol. 14, No. 3, February 2, 1978
DT	Schaller, G., "Directivity Improvement of Microstrip N4-Directional Couplers", <i>AEU</i> , Vol. 26, No. 11, 1972, pages 508-509
DT	Rehnmark, S., "High Directivity CTL-Couplers and a New Technique for the Measurement of CTL-Coupler Parameters", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-25, No. 12, December 1977, pages 1116-1121
DT	Podell, A., "A High Directivity Microstrip Coupler Technique", <i>International Microwave Symposium Digest</i> , 1970 G-MTT, pages 33-37
DT	Sheleg, B. et al., "Broad-Band Directional Couplers Using Microstrip with Dielectric Overlays", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-22, No. 12, December 1974, pages 1216-1220
DT	Alexopoulos, N. et al., "Characteristics of Single and Coupled Microstrips on Anisotropic Substrates", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No. 6, June 1978, pages 387-393
DT	Aikawa, M., "Microstrip Line Directional Coupler with Tight Coupling and High Directivity", <i>The Transactions of the IECE of Japan</i> , Vol. E 60, No. 4, Abstracts, pages 206-207, April 1977
DT	Lange, J., "Interdigitated Stripline Quadrature Hybrid", <i>IEEE Transactions on Microwave Theory and Techniques</i> , December 1969, pages 1150-1151
DT	Presser, A., "Interdigitated Microstrip Coupler Design", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No. 10, October 1978, pages 801-805
DT	Kumar, et al., "Monolithic GaAs Interdigitated 90 Degree Hybrids With 50- and 25- OHM Impedances", 1982 IEEE Microwaves & Millimeter Wave Circuits Symposium, Dallas, TX 1982
DT	Lange, J., "Interdigitated Stripline Quadrature Hybrid", <i>G-MTT Int., Microwave Symposium Digest</i> , pages 10-13, May 1969

EXAMINER

*Dean John*

DATE CONSIDERED

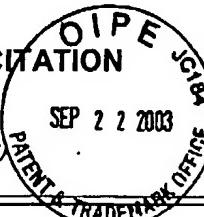
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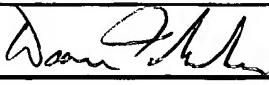
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DT	Lane, J., "Interdigitated Stripline Quadrature Hybrid", <i>IEEE Transactions on Microwave Theory and Techniques</i> , December 1969, pages 1150-1151
DT	Waugh, R. et al., "Unfolding the Lange Coupler", <i>IEEE Transactions on Microwave Theory and Techniques</i> , November 1972, MTT-20, pages 777-779

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